

Science Experiments Bibliography

2010-11-19

- 001.422 Kri Krieger, Melanie Jacobs. **Means and probabilities : using statistics in science projects**. New York . Franklin Watts. c1996.
Summary: An introduction to statistics with emphasis on their use in science projects. Explains averages, frequency distribution, range, percentile, probability, standard deviation, and more.
- 338.4 Tch Tchudi, Stephen. **Soda popper : the history of soft drinks in America : with recipes for making & using soft drinks plus easy science experiments**. New York . Scribner. c1986.
Summary: Presents the history of soft drinks in America, from mineral water to caffeine-free diet soda, and provides recipes and experiments for making and using soft drinks.
- 507 Boc PB Bochinski, Julianne Blair. **The complete handbook of science fair projects**. Hoboken, NJ . Wiley. c2004.
Summary: Explains how to produce a successful science fair project, covering each step from topic choice to presentation, and provides ISEF rules and guidelines, state and regional science fair listings, a list of five hundred project topics for seventh grade and up, and instructions for fifty actual award-winning projects.
- 507.2 Bak Baker, Christopher W. **Scientific visualization : the new eyes of science**. Brookfield, Conn. . Millbrook Press. c2000.
Summary: Describes the nature of scientific visualization and its use by scientists and doctors to interpret data and observe phenomena which were thought unobservable.
- 507.8 Han c.1 **Hands-on science : forces and motion, matter and materials, sound and light, electricity and magnets**. New York . Kingfisher. 2001.
Summary: Presents a variety of activities, projects, and experiments that help to illustrate and explain all sorts of scientific principles.
- 507.8 Hof Hoffman, Jane. **Backyard scientist**. Irvine, CA . Backyard Scientist/J. Hoffman. c1992.
- 507.8 Ker Kerrod, Robin. **The way science works : discover the secrets of science with exciting, accessible experiments**. New York, NY . DK Publishing. 2002.
- 520.78 Bon Bonnet, Robert L. **Science fair projects : flight, space & astronomy**. New York . Sterling Pub. c1997.
Summary: Presents fifty-three simple experiments and projects revolving around space science, including topics such as seasons, the night sky, light, and flight.
- 530 GAR Gardner, Robert. **Slam dunk! : science projects with basketball**. Berkeley Heights, NJ . Enslow Publishers. c2010.
Summary: Explores the physics behind basketball that determines such things as the best passing angle for maximum distance and how a basketball is compressed during a bounce. Demonstrates concepts such as center of mass, friction, and inertia through basketball examples. Includes experiments and ideas for science projects.
- 530 GOO Goodstein, Madeline P. **Goal! science projects with soccer**. Berkeley Heights, N.J. . Enslow Publishers. c2010.
Summary: Outlines an assortment of ideas for science projects that relate to soccer. Explores the concepts of physics that are involved in this sport and provides numerous experiments that can be developed into full-fledged science projects.
- 530 GOO Goodstein, Madeline P. **Wheels! : science projects with bicycles, skateboards, and skates**. Berkeley Heights, NJ . Enslow Publishers. c2010.
Summary: Outlines an assortment of simple science projects that relate to bicycling,

skateboarding, and skating and allow the reader to study such topics as friction, mass, vectors, and physics. Features full-color photographs throughout.

- 530.078 Bon Bonnet, Robert L. **Home run! : science projects with baseball and softball**. Berkeley Heights, NJ . Enslow Publishers, Inc. c2010.
Summary: Explores the physics involved with baseball and softball, including the transfer of energy, friction, and pressure. Provides experiments concerning these concepts that can be developed into full-fledged science projects.
- 531 Gar Gardner, Robert. **Experiments with motion**. Springfield, NJ . Enslow Publishers. c1995.
Summary: Experiments in this book investigate various science ideas such as speed, gravity, acceleration, and friction.
- 534.078 Gar Gardner, Robert. **Sound projects with a music lab you can build**. Berkeley Heights, NJ . Enslow Publishers. c2008.
Summary: This book explains how to build a variety of different simple musical instruments and how to do a number of experiments related to sound and music.
- 535 Gar Gardner, Robert. **Experiments with light and mirrors**. Springfield, N.J. . Enslow Publishers. c1995.
Summary: These experiments investigate various science principles such as light, color, reflection, and symmetry.
- 537 Ang Angliss, Sarah. **Electricity and magnets**. Boston . Kingfisher. 2001.
Summary: Gives science experiments that can be created using electricity and magnetism. Includes supply lists for each experiment.
- 537 Far Farndon, John. **Electricity : an investigation**. New York . PowerKids Press. 2008.
Summary: This book describes the characteristics of natural electricity and artificial electricity produced by generators and batteries, explains currents and magnetism, and includes simple experiments.
- 537 Par Parker, Steve. **The science of electricity & magnetism : projects and experiments with electricity and magnets**. Chicago . Heinemann Library. c2005.
Summary: Presents an introduction to the basic scientific concepts of electricity and magnetism, forces, in simple text with illustrations, including experiments and projects to help enhance understanding.
- 537.078 Gar Gardner, Robert. **Science projects about electricity and magnets**. Hillside, N.J. . Enslow. c1994.
- 540 Gar Gardner, Robert. **Science projects about chemistry**. Hillside, N.J., U.S.A. . Enslow Publishers. c1994.
- 540.78 Gar Gardner, Robert. **Chemistry projects with a laboratory you can build**. Berkeley Heights, N.J. . Enslow Publishers. c2008.
Summary: This book presents an introduction to the scientific method; instructions on setting up a chemistry lab; and step-by-step instructions on experiments that measure mass, create chemical reactions, and identify acids and bases.
- 550.78 Loe Loeschig, Louis V. **Simple earth science experiments with everyday materials**. New York . Sterling. 1996.
Summary: Presents information on such topics as seismology, botany, environmental sciences, gravity, and the atmosphere, with various experiments and activities.
- 621.367 Kas PB c2 Kasper, Joseph Emil. **The complete book of holograms : how they work and how to make them**. New York . Wiley. c1987.
- 629.13 Car PB Carson, Mary Kay. **The Wright Brothers for kids : how they invented the airplane : 21**

activities exploring the science and history of flight . Chicago, Ill. . Chicago Review Press. c2003.

- 796 Mer Mercer, Bobby. **The leaping, sliding, sprinting, riding science book : 50 super sports science activities** . New York . Lark Books. c2006.
Summary: Contains a wide range of science experiments and activities relating to sports.
- 796.2 SOH PB Sohn, Emily. **Skateboarding: how it works**. Mankato, Minn. Capstone Press. c2010.
Summary: Describes the science behind the sport of skateboarding including basic skills, tricks, skateparks, and competition.
- 796.3 BAZ PB Bazemore, Suzanne. **Soccer: how it works**. Mankato, Minn. Capstone Press. c2010.
Summary: Describes the science behind the sport of soccer including kicking, ball control, and goalkeeping. Includes photographs and side-bars.
- 796.3 BIS PB Biskup, Agnieszka. **Football: how it works**. Mankato, Minn. Capstone Press. c2010.
Summary: Explores the elements of science that go into football and the way the game is played. Features full-color photographs, a glossary, and further reading sources.
- 796.3 BIS PB Biskup, Agnieszka. **Hockey: how it works**. Mankato, Minn. Capstone Press. c2010.
Summary: Describes the sport of ice hockey and the importance of good ice, good gear, and a durable stick and discusses the basic techniques of the sport. Provides information about the risks involved in playing the very physical sport of hockey. Includes color photos, fun facts, a glossary, an index, and suggestions for additional information.
- 796.3 DRE PB Dreier, David Louis. **Baseball: how it works**. Mankato, Minn. Capstone Press. c2010.
Summary: Explores the science of baseball featuring many color photos. Focuses on offense, defense, equipment, ballpark design, and statistical records.
- 796.3 SLA PB Slade, Suzanne. **Basketball: how it works**. Mankato, Minn. Capstone Press. c2010.
Summary: Explores the science of basketball with action photos and color illustrations. Focuses on offense, defense, training, the arena, and tricks. Includes a glossary.
- 796.357 Wat Watts, Robert G. **Keep your eye on the ball : the science and folklore of baseball** . New York . W.H. Freeman. c1990.
- Web E-book **The Gale encyclopedia of science**. Detroit, Mich. Gale Group. c2008.
Summary: Covers all major areas of science, engineering, technology, as well as mathematics and the medical and health sciences, while providing a comprehensive overview of current scientific knowledge and technology. Entries typically describe scientific concepts, provide overviews of scientific areas and, in some cases, define terms.
- Web E-book **World of sports science**. Detroit, Mich. Gale. 2007.
Summary: Consisting of 600 entries alphabetically organized across 2 volumes, entries will range in length from 250 to 2,500 words and include theoretical and practical treatment of all aspects of sports science and exercise physiology, kinesiology, and biomechanics. Particular emphasis is placed on such high-interest topics as sports medicine, specifically the prevention, diagnosis and treatment of sports injuries; and much more.